



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Step Bracket (429 QR) No. of pieces: 12/1R

Manufacturer: AERO Design Ltd.

Part No.: 906 GC. 96921-01-01/-02 Serial / Batch No.: P2

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2014-10

Remaining Tasks to be Performed: Weld to Step Extrusion

Welded AD-05 June 20/2014

Signature: Jff Chh.

Date: 23 MAR 2014 Lic. No. / ACA AD02

In Process

Date Opened: 06 February 2014

Job #: 969
Project: Cabin Steps
Type: Bell 429Approval: SH12-58
Drawing List: DCL969-11

| Fabrication and Assembly Drawing(s) | Description |
|-------------------------------------|-----------------------------|
| 96910, Rev. 0 | Fixed Step Assembly |
| 96911, Rev. 0 | Quick Release Step Assembly |
| 96920, Rev. 0 | Fixed Step Bracket |
| 96920, Rev. 0 | Quick Release Step Bracket |

21 gc

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

| | |
|---|-----|
| Project is on Approval Limitation Record: | Y ✓ |
| Document Control List revision level matches (or exceeds) STC: | Y ✓ |
| Drawings revision levels match Document Control List: | Y ✓ |
| Purchase order or Work order source is recorded for each part/ass'y: | Y ✓ |
| Tests and inspections specifically called out on drawings are complete: | Y ✓ |
| Release tags associated with all fabricated parts are attached: | Y |
| All mounting hardware and supplies are included: | Y |

List all non-conformities raised: _____

Inspector Signature: Joan RahnDate: 25 Mar 14

Drawing: 96910 Revision 0; 96911 Revision 0
 Assembly: 96910-01, 96911-01
 Batch Quantity: 1 1

| Qty | Part # | Description | Material | P.O.W.O. | Checked |
|-------|-----------|-----------------------------|------------------------------|----------|---------|
| 1 | 96910-01 | Fixed Step Assembly | | | |
| . A/R | 78240 | Step Extrusion | 6005A-T61 Aluminum | 10009 | |
| . 1 | 96920-01 | RH Step Bracket | 6061-T6 Aluminum, 4 x 1 bar | 13045 | |
| . 1 | 96920-02 | LH Step Bracket | 6061-T6 Aluminum, 4 x 1 bar | 13045 | |
| . 2 | 96910-05 | Grip Tape | 3M Safety Walk 1" | 11091 | |
| 1 | 96911-01 | Quick Release Step Assembly | | | |
| . A/R | 78240 | Step Extrusion | 6005A-T61 Aluminum | 10009 | |
| . 1 | 96921-01 | RH Step End | 6061-T6 Aluminum, 6 x 1 bar | 10100 | |
| . 1 | 96921-02 | LH Step End | 6061-T6 Aluminum, 6 x 1 bar | 10100 | |
| . 2 | 96910-05 | Grip Tape | 3M Safety Walk 1" | 11091 | |
| . 4 | 96710-01 | Fitting | Equivalent to Ancra 40088-14 | 13042 | |
| . 8 | AN960-616 | Washer | | 13084 | |

| Processes | Per | Mat'ls Used | Initials |
|------------------|----------------------|-------------|----------|
| Welding | AMS2685C | ER4043 Rod | AD-05 |
| Powder Coat | Commercial | PO 14021 | |
| Final Inspection | Drawing 96910, 96911 | | |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

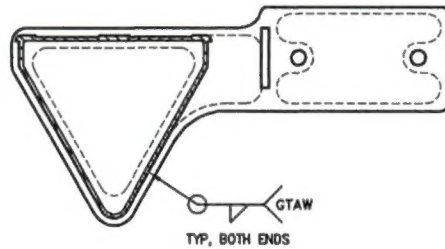
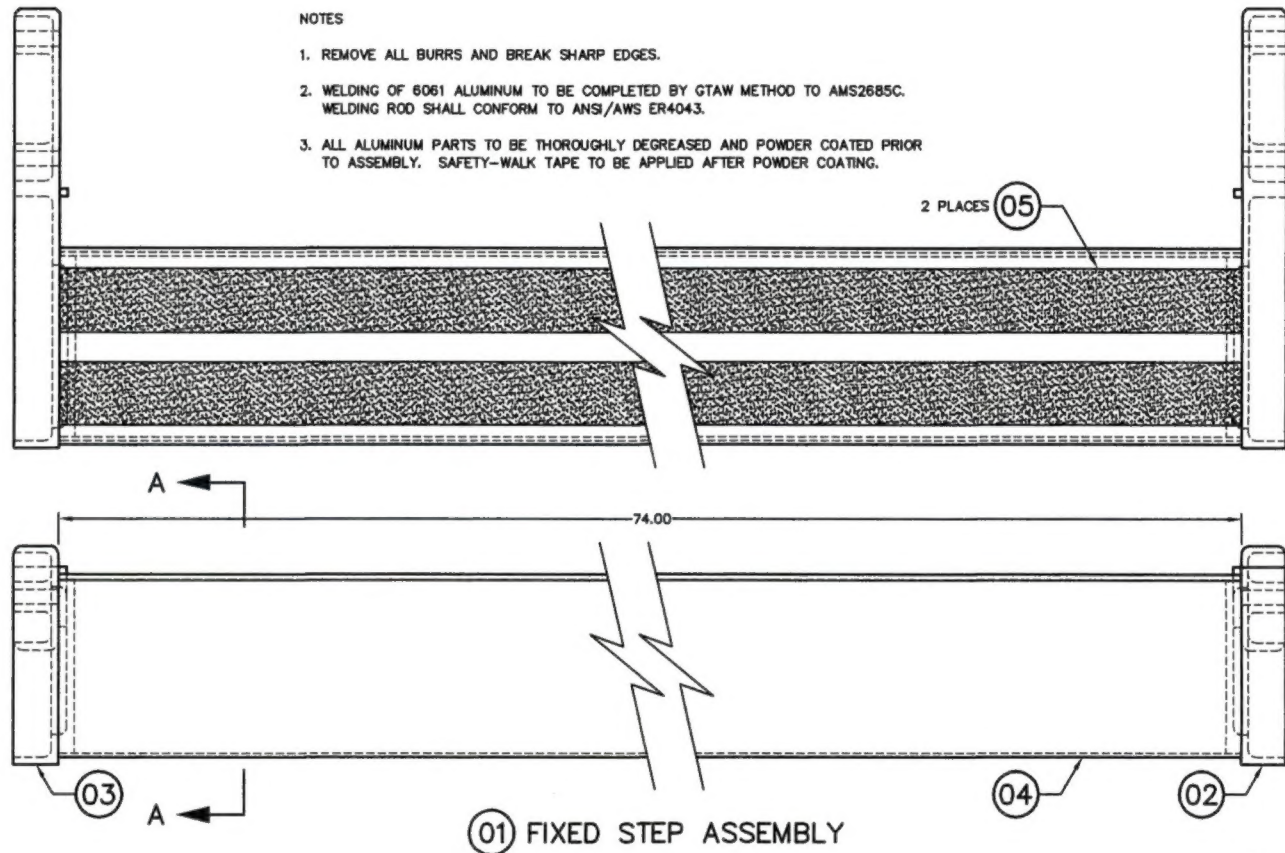
[illegible]

2014-10

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | | |

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ANSI/AWS ER4043.
3. ALL ALUMINUM PARTS TO BE THOROUGHLY DEGREASED AND POWDER COATED PRIOR TO ASSEMBLY. SAFETY-WALK TAPE TO BE APPLIED AFTER POWDER COATING.



SECTION A-A

| QTY | PART NO. | ITEM | DESCRIPTION | MATERIAL |
|-------------------|----------|------|----------------------------|----------|
| 2 | 96910-05 | 05 | SAFETY-WALK TAPE (1" WIDE) | 3M |
| A/R | 78240 | 04 | STEP EXTRUSION | |
| 1 | 96920-02 | 03 | LH BRACKET | |
| 1 | 96920-01 | 02 | RH BRACKET | |
| | 96910-01 | 01 | FIXED STEP ASSEMBLY | |
| LIST OF MATERIALS | | | | |

NOTICE
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECEPT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.

| APPROVALS | DATE |
|--|--------------|
| DRAWN: JEFF CLARKE | 14 SEPT 2012 |
| CHECKED: E. BURGON | 04 DEC 2012 |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | |

| | | | |
|--|------------------------|--------------------------|------------------|
| AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca | | | |
| BELL 429 CABIN STEP INSTALLATION FIXED STEP ASSEMBLY | | | |
| SCALE 1 : 2 | DWG. SIZE A3 | DWG. NO. 96910 | REV. 0 |
| SHEET 1 OF 1 | | | |

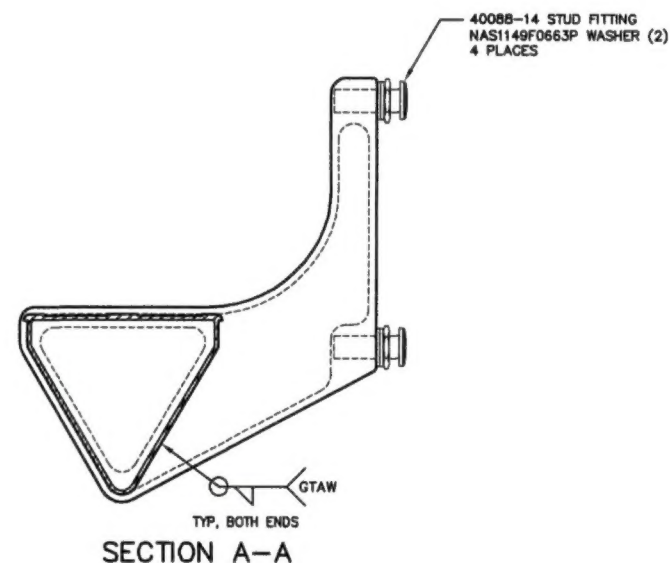
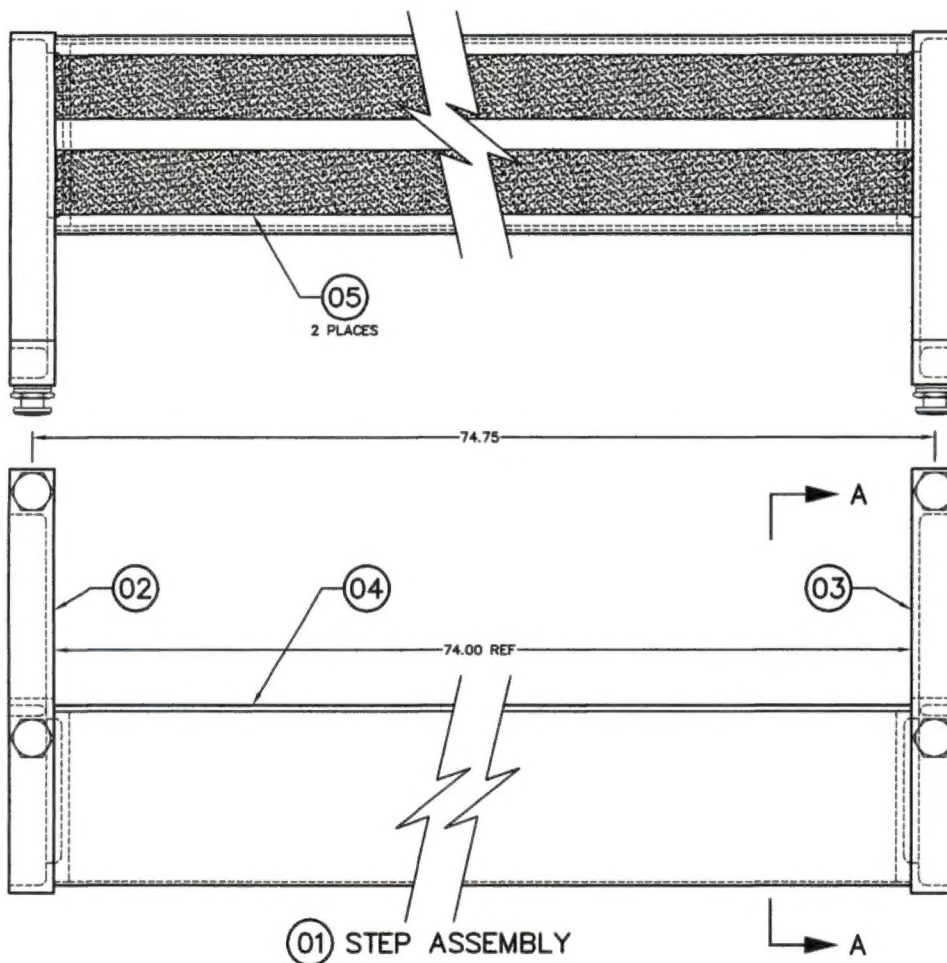
2014-10

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | . | . |

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ANSI/AWS ER4043.
3. ALL ALUMINUM PARTS TO BE THOROUGHLY DEGREASED AND POWDER COATED PRIOR TO ASSEMBLY. SAFETY-WALK TAPE TO BE APPLIED AFTER POWDER COATING.

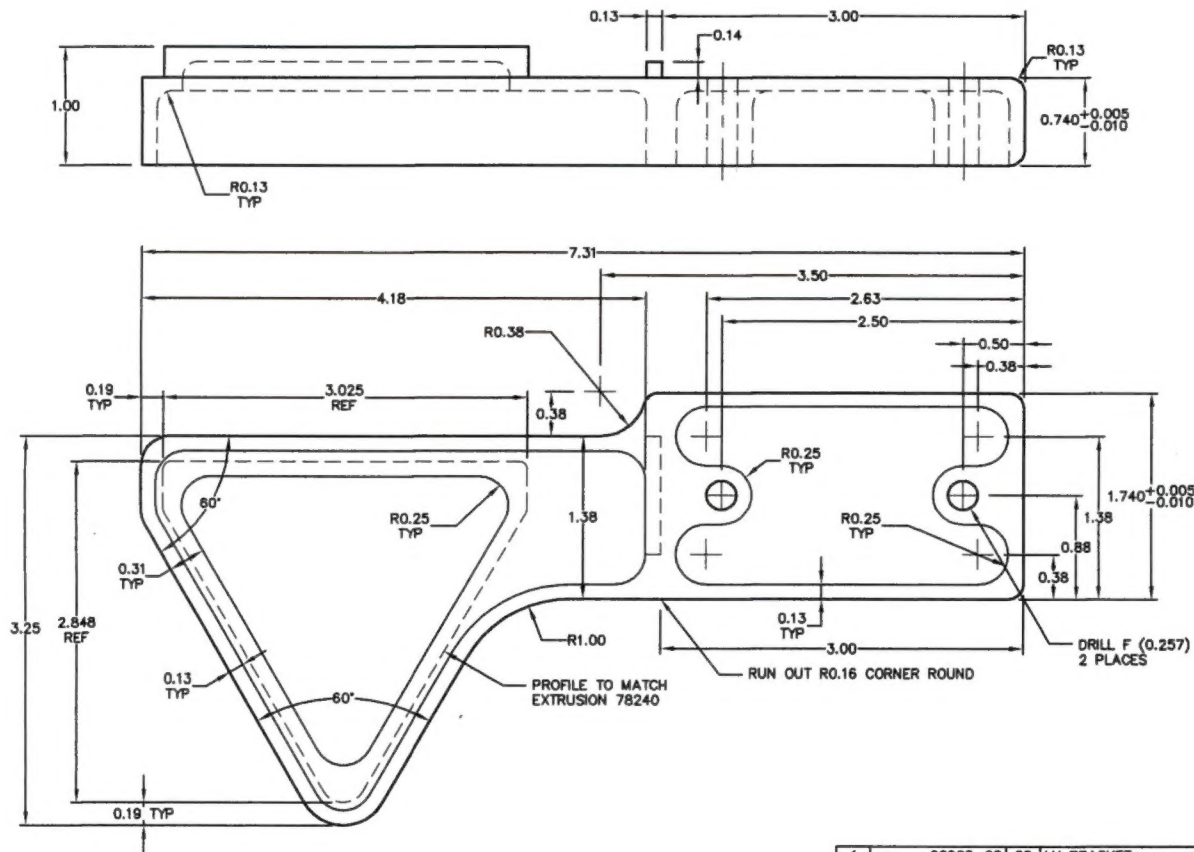


| QTY | PART NO. | ITEM | DESCRIPTION | MATERIAL |
|-------------------|---------------|------|----------------------------|----------|
| 8 | NAS1149F0663P | | WASHER | |
| 4 | 40088-14 | | STUD FITTING | ANCRA |
| 2 | 96911-05 | 05 | SAFETY-WALK TAPE (1" WIDE) | 3M |
| A/R | 78240 | 04 | EXTRUSION | |
| 1 | 96921-02 | 03 | LH STEP BRACKET | |
| 1 | 96921-01 | 02 | RH STEP BRACKET | |
| | 96911-01 | 01 | STEP ASSEMBLY | |
| QTY | PART NO. | ITEM | DESCRIPTION | MATERIAL |
| LIST OF MATERIALS | | | | |

| APPROVALS | DATE | AERO DESIGN LTD. | | | |
|--|-------------|--|----------|------|--|
| DRAWN: JEFF CLARKE | 28 NOV 2012 | CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M | | | |
| CHECKED: E. BURGOIN | 04 DEC 2012 | 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 | | | |
| | | tel: (403) 250-5087 fax: (403) 250-8383 www.aerodesign.ca | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | BELL 429 QUICK RELEASE CABIN STEP STEP ASSEMBLY | | | |
| SCALE 1 : 2 | | DWG. SIZE | DWG. NO. | REV. | |
| SHEET 1 OF 1 | | A3 | 96911 | 0 | |

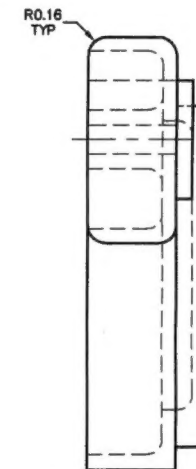
2014-10

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | | |



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.



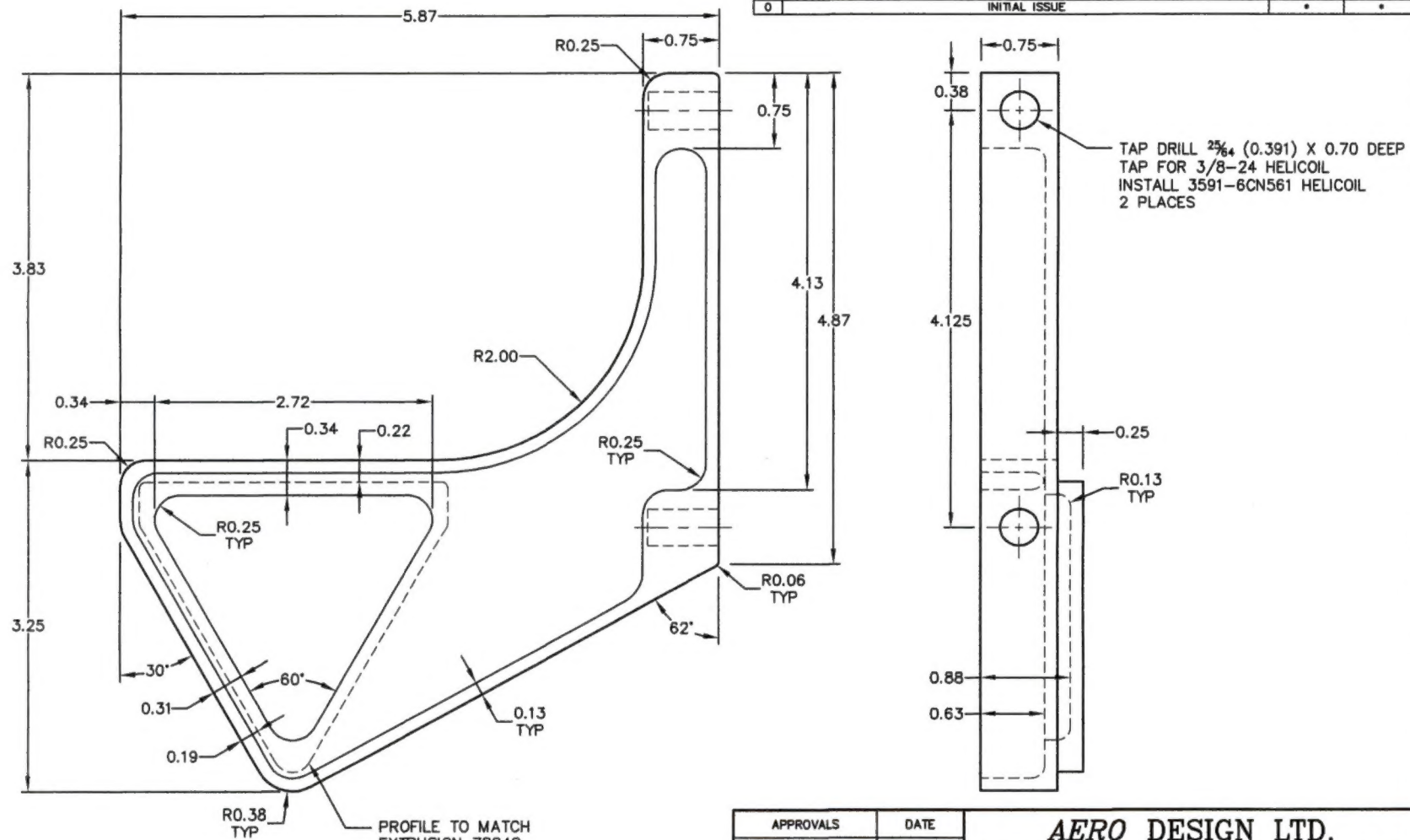
01 RH BRACKET
02 LH BRACKET
RH SHOWN, LH OPPOSITE

| | | | | | |
|---|----------|---------------|---|---------------|------------|
| 1 | 96920-02 | 02 LH BRACKET | 6061-T6 ALUMINUM | QQ-A-200/8 | 4 X 1 BAR |
| 1 | 96920-01 | 01 RH BRACKET | 6061-T6 ALUMINUM | QQ-A-200/8 | 4 X 1 BAR |
| PART NO. ITEM DESCRIPTION | | | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY LIST OF MATERIALS | | | | | |
| APPROVALS | | | DATE | | |
| DRAWN: JEFF CLARKE | | | 14 SEPT 2012 | | |
| CHECKED: E. BURGAIN | | | 04 DEC 2012 | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: | | | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8087 fax: (403) 250-9333 www.aerodesign.ca | | |
| DECIMALS ANGLES | | | BELL 429 CABIN STEP INSTALLATION BRACKET | | |
| X.XXX ±0.010 ±1/2° | | | SCALE 1 : 1 DWG. SIZE DWG. NO. REV. | | |
| X.XX ±0.03 | | | SHEET 1 OF 1 A3 96920 0 | | |
| X.X ±0.1 | | | | | |

NOTICE
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.

2014-10

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | . | . |



| | | | | | | | |
|-----|-----|-------------------|------|-----------------------|------------------|---------------|------------|
| 2 | 2 | 3591-6CN563 | 03 | SELF-LOCKING HELICOIL | | | |
| | | 96921-02 | 02 | LH STEP BRACKET | 6061-T6 ALUMINUM | QQ-A-200/8 | 6 X 1 BAR |
| | | 96921-01 | 01 | RH STEP BRACKET | 6061-T6 ALUMINUM | QQ-A-200/8 | 6 X 1 BAR |
| 02 | 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | QTY | LIST OF MATERIALS | | | | | |

| | | | | | | | |
|--|--|-------------|--|--|--|------|--|
| APPROVALS | | DATE | | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8087 fax: (403) 250-8333 www.aerodesign.ca | | | |
| DRAWN: JEFF CLARKE | | 28 NOV 2012 | | | | | |
| CHECKED: E. BURGAIN | | 04 DEC 2012 | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | | BELL 429 QUICK RELEASE CABIN STEP STEP BRACKET FABRICATION | | | |
| SCALE 1 : 1 | | DWG. SIZE | | DWG. NO. | | REV. | |
| SHEET 1 OF 1 | | A3 | | 96921 | | 0 | |